

Practitioner's Docket No. LAR-16539-1

*PATENT*

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re application of: David L. Raney  
Filed: October 14, 2003  
For: Resonant Wingbeat Tuning Circuit Using Strain-Rate Feedback For Ornithoptic  
Micro Aerial Vehicles

**Mail Stop Patent Application**  
**Commissioner for Patents**  
**P.O. Box 1450**  
**Alexandria, VA 22313-1450**

**APPLICATION DATA SHEET**  
**37 C.F.R. § 1.76**

**BIBLIOGRAPHIC DATA**

**1. Applicant information**

First applicant: David L. Raney  
Citizenship: U.S.  
Residence: Yorktown, VA

**2. Correspondence information**

Correspondence for this application should be addressed as follows:

NASA Langley Research Center  
MS 212  
Hampton, VA 23681-2199  
Customer No.: 23351

**3. Application information**

Title of Invention: Resonant Wingbeat Tuning Circuit Using Strain-Rate Feedback For Ornithoptic  
Micro Aerial Vehicles

Docket number assigned to this application: LAR-16539-1  
Total number of drawing sheets: 4  
Type of application: Utility  
Application is to be published. Suggested drawing figure for publication: 5

Secrecy order under § 5.2:

This application does not disclose subject matter of an application which is under a secrecy order  
pursuant to § 5.2.

#### **4. Representative information**

The following have a power of attorney or authorization of agent in this application:

Robin W. Edwards  
3 Langley Blvd, MS 212  
Hampton, VA 23681-2199  
Customer No.: 23351

Helen M. Galus  
3 Langley Blvd., MS 212  
Hampton, VA 23681-2199  
Customer No.: 23351

Linda B. Blackburn  
3 Langley Blvd., MS 212  
Hampton, VA 23681-2199  
Customer No.: 23351

Kurt G. Hammerle  
3 Langley Blvd., MS 212  
Hampton, VA 23681-2199  
Customer No.: 23351

Barry V. Gibbens  
3 Langley Blvd., MS 212  
Hampton, VA 23681-2199  
Customer No.: 23351

Gary G. Borda  
Washington, DC 20231  
Customer No.: 23351

Harry Lupuloff  
Washington, DC 20231  
Customer No.: 23351

#### **5. Domestic Priority information**

Domestic priority for this application is claimed as follows:

35 U.S.C. § 119(e): Application No.: 60/422,181  
Filed: October 15, 2002  
Status: Pending  
Relationship: Provisional

**6. Assignee information**

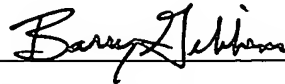
The assignee(s) of this application is/are:

United States of America as represented by the Administrator of the National Aeronautics and Space Administration

Washington, DC 20546

Extent of interest of assignee in application: Whole

Date: October 14, 2003



Barry V. Gibbens  
Registration No. 44,707  
NASA Langley Research Center  
MS 212  
Hampton, VA 23681-2199  
U.S.  
757-864-7141  
Customer No. 23351